

ILLEGIBLE

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tylene are clarified, and industrial methods of producing acetylene and purification methods are described. Various production methods are subjected to economic comparisons.

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Physical-chemical bases of processes of pyrolysis of hydrocarbons to acetylene	- - 10
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AM4033661

BOOK EXPLOITATION

S0789

Grinenko, Boris Stepanovich; Zeliznyy, Andrey Mikhaylovich

Production of acetylene from natural gas (Proizvodstvo atsetilena iz prirodnogo gaza) Kiev, Gostekhnizdat USSR, 1963. 176 p. illus., biblio. 900 copies printed. Managing editor: Raytburd, L. L. (Engineer); Editor of the publishing house: Zelenyuk, Ye. Ye. (Engineer); Technical editor: Berezovyy, V. N.; Proofreader: Yefimenko, N. P.

TOPIC TAGS: acetylene production, natural gas, hydrocarbon pyrolysis, industrial acetylene purification, thermal pyrolysis, electropyrolysis, acetylene concentration

PURPOSE AND COVERAGE: This book is intended for engineers and technicians in the chemical and petroleum-chemical industries and for personnel at scientific-research and design institutes, and may be utilized also by students in the corresponding specialties at vuzes. Numerous literature data on the production of acetylene from natural gas and other hydrocarbon raw materials are generalized. The physical-chemistry and energy bases of the pyrolysis of hydrocarbons to ace-

Card 1/3

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SOV/81-59-13-47251

The Dynamics of Oxidation Pyrolysis of Methane in a High-Speed Turbulent Gas Flow

development in the process. The remaining heat quantity (50 - 52%) is consumed mainly in increasing the heat content of the gas mixture. Data are cited on the change in the hydrodynamic parameters of the gas flow over the length of the reaction channel.

B. Englin

L/

Card 2/2

66987

5.1230

SOV/81-59-13-47251

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 13, pp 429-430 (USSR)

AUTHOR: Grinenko, B.S.

TITLE: The Dynamics of Oxidation Pyrolysis of Methane in a High-Speed Turbulent Gas Flow

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-t, 1957, Nr 62, pp 363 - 372

ABSTRACT: Results are cited of an investigation of the oxidation pyrolysis of CH_4 carried out in a semi-industrial furnace with a capacity of up to $100 \text{ nm}^3/\text{hr}$ of a mixture consisting of 63 - 67% CH_4 and 37 - 33% O_2 . In a high-speed turbulent gas flow the reactions of oxidation and C_2H_2 formation are extended over a long path of the flow and proceed parallel to each other, but with a certain advance of the development of burning in the beginning of the reaction channel and a lagging of the oxidation behind the process of C_2H_2 formation in its end. An intensive heat development takes place only in the middle of the length of the reaction channel; in this case the consumption of heat for the formation of C_2H_2 continuous up to 85 - 90% of the length of the reaction channel, attaining 42% of the heat

Card 1/2

GRINENKO, B.S.; BERKOVICH, V.B.

Manufacture of acetylene from natural gas. Gaz.prom. no.12:26-31
D '57. (MIRA 11:1)

(Acetylene) (Gas, Natural)

Grinenko, B. S.

Production of acetylene by electric arc method
 in a specially designed jet oven. A review is given of the
 process (cf. preceding abstr.) followed by a detailed
 description of a specially designed jet oven (diagram given)
 for production of C_2H_2 by burning a mixt. of CH_4 with O_2 at
 high velocities (350-550 m./sec. depending on temp.). The
 combustion gases were quickly chilled by scrubbing with
 water and the C_2H_2 was sepd. by distn. and solvent extra.
 The sample of products by this method were: CO_2 8.5-4.0,
 CH_4 5.0-6.0, C_2H_2 0.8, CO 2-3, H_2 0.5, CH_4 2-3,
 N_2 0.5-1.0%. The advantages of the jet oven over the pre-
 sent industrial methods were: 7.6% increase in the yield of
 C_2H_2 , 15-20% decrease in the O_2 consumption, complete
 safety from explosions and backfires, and ease of automa-
 tion.

A. P. Kodoby

GRINENKO, B.S.

Dist: 1E36/1E43

1022. OXIDATIVE PYROLYSIS OF METHANE IN A HIGH SPEED GAS STREAM.
 Grinenko, B.S. (Moscow; Acad. Sci. U.S.S.R., 1956, "Chemical Treatment of
 Petroleum Hydrocarbons (Khimicheskaya Pererabotka Neftnykh Uglevodorov),
 106-114; abstr. in Ref. Zh. Khim. [Ref. J. Chem., Moscow], 1957, (15),
 52235). The experimental acetylene production plant described has a
 capacity of 100 cu. m/h of methane-oxygen mixture. The reaction channel
 of the furnace is 25/40 mm in diameter and about 600 mm long. The time of
 sojourn of the gases in the reaction zone is 0.0025-0.005 sec. The oxygen:
 methane ratio is 0.6 - 0.65. The concentration of acetylene in the
 pyrolysis gas is 8 - 8.6%, which corresponds to a yield of 15 - 15.7% by
 volume, or 3% by weight of the original gas. Experiments were
 carried out with the original mixture preheated to 300 - 350°C, and also without
 preheating. In the latter case the oxygen consumption rose 4-5%. At the
 inlet to the reaction channel the distribution of velocities over the cross
 section was extremely uneven; it was 350 - 500 m/sec on the axis and 3 - 15
 at the walls. It was established that the process was stable when the ratio
 of the maximum velocity to the average velocity over the cross section of the
 channel was 1.5 to 3.6. Ideas and basic figures are given for the planning
 of industrial furnaces with multi-jet feed for the mixture and outputs of 2,500
 to 10,000 tons of acetylene a year.

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2

1/1

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GRIVENKO, B.S.

Reactor for the pyrolysis of methane and other hydrocarbons to acetylene. B.S. Grivenko, U.S.S.R. 103, 913, Sept. 25, 1956. Addn. to U.S.S.R. 76,723. Improve-
ments in the jets are described. M.H.

pm nx

GRIVENKO, B. S.

Mixture of additional hydrogen and other gases.
B. S. Grivenko, U.S.S.R. 152,808, Sept. 25, 1958. The
mixture of gases is obtained by pyrolysis of CH_4 or C_2H_6
containing carbon gas. Pyrolysis is effected by partial
combustion with O or air. The O is preheated by mixing it
with a very hot combustion product. To prevent cooling
down the CH_4 or the gas contg. it is preheated with an amt. of
 O insufficient for combustion (25-7%) and the rest of the O
is fed directly into the reaction zone.

M. Rosen
gm
mk

CA

Continuous coking of petroleum and similar products
U. S. Gumenko, USSR 69,698, Nov. 30, 1947. The
main parts of the set up is a furnace, vaporizer, and coking
chamber. The entering raw material is preheated in
a tube furnace whence it goes to the vaporizer and to the
coking chamber. Countercurrent to this flow, a hot
steam-air mixt. The latter taken from the vaporizer is
heated either in a sep. furnace or by the heat of reaction.
M. Hosh

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

Treatment of hydrocarbon and other liquids. B. S. Garmenko, U.S.S.R. 68,951, July 31, 1941. Addn. to U.S.S.R. 68,628, of 1-41, 1908. Further improvement of the method are given. (M. Hosh)

ASD 51A METALLURGICAL LITERATURE CLASSIFICATION

[illegible]

• Thermal treatment of hydrocarbon and other fluids
B. S. Gumenko. USSR 68,128, Apr. 10, 1961. In
the treatment of hydrocarbons and the like, as heat
transfer medium is used a gas which is subjected to the
desired temp. or also mixed with very hot exhaust or
the gas. M. Hosh

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

I 5210-66 EWT(m)/EPF(c)/T WE SOURCE CODE: UR/0318/65/000/010/0020/0023
ACC NR: AP5026351

AUTHOR: Antonishin, V. I.; Grinenko, B. S.

ORG: Lvov Polytechnic Institute (L'vovskiy politekhnicheskii institut)

TITLE: Sulfonation of petroleum resins

SOURCE: Neftepererabotka i neftekhimiya, no. 10, 1965, 20-23

TOPIC TAGS: petroleum product, sulfonation, resin, ion exchange resin

ABSTRACT: In order to study the mechanism of sulfonation of petroleum resins, a sulfonation of resins obtained from bitumen was carried out. The action of sulfuric acid and oleum gives rise to reactions of sulfonation, sulfone formation, oxidation, and condensation. Oxidation involves the detachment of side alkyl and cycloparaffin substituents with the formation of carboxyl and phenol-hydroxyl groups in the structure of the sulfonated product, and the evolution of carbon dioxide and water of reaction. Oxidative dehydrogenation of six-membered naphthene rings to aromatic ones and oxidative condensation of the resinous sulfonated product also take place. The sulfonated product has ion-exchange properties and can be used as a cation-exchange material. The optimum conditions for preparing a product with high ion-exchange properties are given. Orig. art. has: 3 figures and 1 table.

SUB CODE: FP / SUBM DATE: 00 / ORIG REF: 004 / OTHER REF: 001

Card 1/1

UDC: 665.545.53:66.094.524.52

0901 1384

NOV/6-58-7-15, 19

Necessity of Hastening the publication of the Instructions for Town Sur-
veying

1. Mapping--Standards
2. Literature

1. and 2.

AUTHOR: Grinevskiy, M. I. 001/1-1-1-1-1
 TITLE: Necessity of hastening the publication of the Instructions for Town Surveying (Neobkhodimo uskoroit' izdatiye instruktsii po gorodskim s"pismkam)
 PERIODICAL: *Geodesiya i k artografiya*, 1958, Nr 7, pp 68-69 (USSR)
 SUMMARY: In 1940 the "Instructions for Town Surveying" were published by the Ministry of Municipal Economy in accordance with the Central Bureau of Surveying and Cartography. In 1946 the "Modifications and Supplements" pertaining to these instructions were published. They are both obsolete at present and do not meet modern requirements which arise in the compilation of building locations 1 : 5 000 and the surveying connected with determinations of the lines and grades of subterranean buildings. It also takes into account neither the buildings of the Gosstroy SSSR (State Building of the USSR) nor aerial photography. In recent years a number of books have been published concerning problems of engineering surveys. They would offer considerable help in working out new instructions for surveying in town and industry areas.

Card 1/2

GRINENKO, B.A.; RASHCHUPKINA, L.I., red.; NOVIKOVA, B.G., tekhn.
red.

[The "Horticulture" pavilion and the orchard] Pavil'on
"Sadovodstvo " i plodovyi sad; kratkii putevoditel'. Mo-
skva, 1962. 36 p. (MIRA 16:6)

1. Moscow. Vystavka destizheniy narodnogo khozyaystva SSSR.
Pavil'on "Sadovodstvo."
(Horticulture--Exhibitions)

FROLYAKINA, Ye.A.; OVSYANNIKOVA, S.N.; GRINENKO, B.A.

At the Exhibition of Achievements of the National Economy of the
U.S.S.R. Zashch. rast. ot vred. i bol. 6 no.7:38 J1 '61. (MIRA 16:5)

1. Starshiy metodist pavil'ona "Zemledeliye" na Vystavke dostizheniy narodnogo khozyaystva (for Frolyakina).
 2. Ekskursovod eksponatnogo uchastka na Vystavke dostizheniy narodnogo khozyaystva (for Ovsyannikova).
 3. Direktor pavil'ona "Sadovodstvo" na Vystavke dostizheniy narodnogo khozyaystva (for Grinenko).
- (Moscow--Exhibitions) (Plants, Protection of--Exhibitions)

GRINENKO, A.A.

On the road of continued growth and technical progress. Khleb. 1 kond.
prom. 1 no.5:20-21 My '57. (MIRA 10:6)

(~~Moscow~~---Confectionery)

GRINFAD, A., agronom; KOSHCHUPKINA, S., agronom, POTAPOV, S., kand. sel'skokhoz. nauk

Resistance of gooseberries to powdery mildew. Zashch. rast.
ot vred. i bol. 10 no.7:37 '65. (MIRA 18:10)

1. Kolomenskiy gosudarstvennyy sortoispytatel'nyy uchastok.
plodovo-yagodnykh rasteniy, Moskovskaya oblast'.

CHUNG, Y. T.

CHUNG, Y. T. Special Chinese in the Department of Technical
Development, Ministry of Defense, Taipei, Taiwan, ROC.
Chung, Y. T. (Min. of Defense, Department of Technical
Development, Taiwan)

Re: Kishiyu Lateral, No. 1, 1976,

GRINEKO, V.A.

Preparation of sulfur dioxide for isotopic analysis.
Zhur.neorg.khim. 7 no.10:2478-2483 0 '62. (MIRA 15:10)

1. Institut reokhimii i analiticheskoy khimii imeni
V.I.Vernadskogo AN SSSR.
(Sulfur dioxide) (Sulfur—Isotopes)

KUZNETSOV, N.A., etc., red.; VITKOVSKIY, A.P., red.; BOZHENKO, Ye.F., red.; GAVRILENKO, I.G., red.; GRINEK, V.S., red.; IGRUNOV, N.S., red.; KRUPA, G.D., red.; RAZDOBARKIN, V.I., red.; RYABOKOBYLENKO, V.I., red.; SEMENOV, M.K., red.; CHEFRANOV, B.N., red.; FUMSHTEYN, D.A., red.; PETROPOL'SKAYA, O.A., red.

[Belgorod Boiler-Making Factory] Belgorodskii kotlo-
stroitel'nyi. Vozneszh, Tsentral'no-Chernomornoe knizh-
noe izd-vo, 1964. 185 p. (MIRA 18:7)

1. Belgorodskiy Gosudarstvennyy kotlostroitel'nyy zavod.
2. Direktor Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Chefranov).
3. Mechniki byuro tekhnicheskoy informatsii i izobretatel'stva Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Gavrilenko).
4. Glavnyy konstruktor spetsial'nogo konstruktorskogo byuro energetiki besikh kotlov Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Semenov).
5. Zamestitel' glavnogo inzhenera Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Ryabokobylenko).

ROMANIA

TERADOMITA, Ch., Dr. in Agronomy and Engineer; GUCU, Juliana, Engineer; and
GHEORGHE, A., Engineer, Agricultural Experiment Station (Statiunea experi-
mentala agricola) Podu Illoaci - Region Iasi

"Effect of Corn Forage Cultivated Together with Soybean on Milk Production
in Cattle"

Bucharest, Revista de Mecanica si Medicina Veterinara, Vol 16, No. 6,
June 1966; pp 42-47

Abstract: [English summary modified] Field experiment with 55 cows reveals
that corn with soybeans cultivated together for cattle feed is much more
efficient from the standpoint of milk production than is corn alone. In
cows producing an average of 14 liters of milk per day, mixed feed increased
production up to about 10%. 3 tables, 5 Rumanian references.

GRINDIA M. [1]

IONESCU-MUSCHEL, I., [Ionescu-Muscel, I], professor; VLAD, I., inzhener;
VLAD, E., inzhener; KHANGANU, V. [Changanu, V.], inzhener;
GRINDYA, M. [Grindea, M.], inzhener; KOMAN, B. [Coman, B.],
inzhener; REDULESKU, S. [Redulescu, S.], inzhener.

Manual fiber measuring device. Tekst. prom. 17 no.5:70-72 My '57.
(MIRA 10:6)

1. Iz ~~nabot~~ Yasskogo politekhnicheskogo instituta Rumynskoy
narodnoy respubliky.

(Rumania--Textile machinery)

ACCESSION NR: AR4Q27931

automobile engines. Actual tests lasting 1½ years showed that the experimental sleeves increase the wear resistance 1.2 to 1.5 times, as compared to ordinary cast iron sleeves. I. Brokhin

DATE ACQ: 19Mar64

SUB CODE: ML, MD

ENCL: 00

Card 2/2

ACCESSION NR: AR4027931

S/0137/64/000/002/G034/G035

SOURCE: RZh. Metallurgiya, Abs. 26234

AUTHOR: Grindorf, B. M.

TITLE: Cermet cylinder sleeves for automobile engines

CITED SOURCE: Tr. Kuyby*shevsk. aviats. in-t, vy*p. 16, 1963, 229-242

TOPIC TAGS: cermet cylinder sleeve, automobile cylinder sleeve, cermet sleeve

TRANSLATION: A study was made of the wear resistance of Fe-graphite cermet materials in the form of test samples and sleeves of automobile engines (C_{comb} 0.1-0.8% and C_{total} 0.1-1.12%), alloyed with Cu and P additives. Fe powders produced in an eddy mill were used. The metal base had a pearlite-ferrite microstructure with inclusions of free graphite. H_B was 42-112 kg/mm². The alloy containing 0.8% Cu and 0.3% P had a better wear resistance, which was 2.2 times greater than that of the alloyed Ti-Cu cast iron usually employed. Cast iron piston rings paired with the alloy wore 2.3 to 2.45 times less than when with cast iron. A technological process was worked out for producing composite porous cermet sleeves from the selected alloy, and also a technique for installing them in the cylinder block of

Card 1/2

S/262/62/006/011/021/030
1007/1252

AUTHOR Grindorf, B. M.

TITLE Investigation of porous metallo-ceramic (cermet) engine cylinder liners

PERIODICAL Referativnyy zhurnal: otdeinyy vypusk 42. Silovyye ustanovki: no. 11, 1962, 62, abstract 42-11-541 (Tr. Bredneaz. politekh. in-ta, no. 15, 1961, 66-70)

TEXT Test results are reported on chemical, mechanical and anti-friction properties of certain iron base cermets, as well as of cylinder liners for the FA3-51 (GAZ 51) engines, made of porous cermet-steel containing 0.8% copper and 0.3% phosphorus. Exploitation tests justified the use of the cermet liners which permit a 4-4.5 fold economy in metal. There are 3 figures and 3 references.

[Abstracter's note: Complete translation.]

Card 3-1

Conference on Problems of Automobile Engine Life

117-3-26/28

Apparently explains the high rate of wear in the upper part of the cylinder lining and the piston rings. Candidate of Technical Sciences D.I. Vysotskiy (NAMI) made a report on investigation methods with the use of radioactive isotopes. Candidate of Technical Sciences A.I. Nishevich (NATI) announced that NATI has used radioisotopes for 5 years in testing the wear resistance of materials under laboratory conditions, as well as for evaluating the wear rate of the piston rings of "Д-35" and "Д-54" tractors in test running.

AVAILABLE: Library of Congress

Card 3/3

Conference on Problems of Automobile Engine Life

117-3-26/28

In the report "The Problem of Choosing Antifriction Alloys for Automobile Bearings", Candidate of Technical Sciences N.M. Rudnitskiy (of NAMI) spoke of a new, USSR made, anti-friction alloy "COC6-6" consisting of 88% lead, 6% antimony, and 6% tin, which is used by 4 plants making automobile bearings. At the Moscow Automobile Plant imeni Likhachev, this alloy brought about an annual saving of 21 million rubles. It can be used for the new heavy-duty 3-layer bearings.

Engineer B.M. Grindorf (Middle-Asian Polytechnic Institute) delivered the report "Increasing the Wear Resistance of Engine Cylinders by the Use of Metal-Ceramic Linings". Engineer D.I. Bran (NIITAVtoprom) reported on increasing the life of valves by aluminizing the facets.

Engineer V.S. Zavel'skiy (NAMI) pointed out in his report "Corrosion Sensitivity of Cast Iron to Sulphur Oxides" that the corrosion of engines has become acute on account of the highly sulphurous fuels used at the present time. He described the tests carried out at NAMI, in which the cylinder-and-piston units were run in sulphurous gas, and the wear was measured by the method of radioactive isotopes. It was concluded that the sulphurous anhydride forming at the burning process can produce gas corrosion at high temperature, which

Card 2/3

GRINDORF B.W.

Author:

Artyukov, I.A., Engineer,

Title:

Conference on Problems of Automobile Engine Life (Konferentsiya po povysheniyu dolgovечnosti avtomobil'nykh dvigateley)

117-3-26/28

Periodical:

Mashinostroitel', 1958, # 3, p 47 (USSR)

Abstract:

The conference was organized by the NTO Mashprom and convened in 1957 in Moscow. A number of 230 delegates from automobile plants, research institutes, and higher technical schools participated.

The following persons delivered reports: Deputy Chief Designer of the Yaroslavl Automobile Plant P.I. Novikov, leading designer of the Khar'kov Plant "Serp i Molot", M.K. Kubata, leading designer of the Moscow Plant of Small Engine Displacement Automobiles (Moskovskiy zavod malolitrashnykh avtomobiley), V.A. Mitrofanov, Candidate of Technical Sciences A.D. Kuritsina of the Machine Institute of the USSR Academy of Sciences (Institut mashinovedeniya Akademii nauk SSSR), scientific worker of NAMI A.G. Al'perovich ("Life of Modern Engines of Soviet and Foreign Make"), Candidate of Technical Sciences M.S. Korneyev (of NAMI) ("On Application of Highly Effective Air Filters for Increasing the Life of Automobile Engines").

Card 1/3

GRINDINGER, M.D.

Inductive definition of a function. Uch. zap. Ivan. gos. ped.
inst. 31:56-58 '63.

Solving the problem concerning isomorphism of a certain class
of groups. Ibid.:59-61

(MIRA 19:1)

1. Submitted October 27, 1961.

GRINDLINGER, M.D.

Megrus's generalized word equality problem. *Ann. mat. pur.*
5 no.4:955-957 J1-Ag'64 (NRA 17:8)

L 22590-65

ACCESSION NR: AP5004995

None of the defining words enters as a true part into another defining word (a defining word is a word which constitutes either the left- or the right-hand side of the defining relation of the given semi-group).

ASSOCIATION: none

SUBMITTED: 03Sep63

NO REF SOV: 003

ENCL: 00

OTHER: 000

SUB CODE: MA

JPRS

Card 2/2

L 22590-65 EWT(d) IJP(c)

ACCESSION NR: AP5004995

S/0199/64/005/004/0788/0792

AUTHOR: Grindlinger, Ye. I.

TITLE: Solution to the problem of isomorphism for a class of semi-groups 8
13

SOURCE: Sibirskiy matematicheskiy zhurnal, v. 5, no. 4, 1964, 788-792 16

TOPIC TAGS: isomorphism, group theory

Abstract: The general problem of isomorphism for semi-groups consists of obtaining an algorithm which constitutes a criterion of isomorphism for any given pair of semi-groups. The impossibility of obtaining an algorithm for solving the problem of isomorphism for semi-groups was first proved by A.A. Markov. It is known, however, that for certain classes of semi-groups the problem of isomorphism is amenable to solution. These include free semi-groups and free and Abelian groups. Furthermore, V.A. Yemelichev solved the problem involving the isomorphism of commutative semi-groups with a single defining relation.

The author obtains an algorithm for solving the problem of isomorphism of semi-groups of a class each of whose semi-groups is finitely defined, satisfying the following condition:

Card 1/2

GRINOLINGEN, N.D.

Strengthening of ...
Sib. mat. ...

SINCE THE IN, H.C.

The following information was obtained from the records of the
the following:

(1) The first

[illegible]
$$\lim_{n \rightarrow \infty} \frac{1}{n} \log p_n(\lambda) = -\int_0^1 f(x) dx, \quad \text{for } \lambda \in [0, 1]. \quad (2.16)$$

ILLEGIBLE

GRINDLINGER, Martin

Solution of the word identity problem for a certain class
of groups by means of Dehn's algorithm and solution of the
conjugacy problem by means of an extension of Dehn's algorithm.
Dokl. AN SSSR 154 no. 3:507-509 Ja '64. (MIRA 17:5)

1. Predstavleno akademikom P.S.Novikovym.

GUINDIN, N. Ya

GUINDIN, N. Ya: "Gastric secretion in pig with various feeders and substances." Min Higher Education Ukrainian SSR. Khar'kov Zoo-technical Inst. Khar'kov, 1956. (Dissertation for the degree of Candidate in Biological Science.)

Knizhnaya Letopis'
No 32, 1954. Moscow.

Met. Rev
1952

GRINDIN, L. G.

R - Corrosion

117-R. The Influence of the Solvent in Acid Solutions on Their Behavior Toward Metals. (In Russian.) L. G. Grindin, V. A. Kazakova, and I. N. Putlova. *Doklady Akademii Nauk SSSR*, new ser., v. 80, Oct. 11, 1951, p. 777-780.

A study was made of the corrosion of Fe and Cu by solutions of butyric acid in water, benzene, iso-octane, and vaseline oil. Data are tabulated 21 ref. (15, Fe, Cu)

GRINDEL, T.; NADOLSKI, V.

On the determination of the curvature of concave-spherical optical surfaces. P. 149

STUDII SI CERCETARI STINTIFICE. FIZICA SI STINTE TEHNICE.
Iasi, Rumania. Vol. 8, no. 2, 1957

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

GRINDEL', O.M.

Some data of the analysis of human electroencephalogram. Fiziol.
zhur. 50 no.1:1-9 Ja '64. (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut neyrokhirurgii imeni akademika
N.N.Burdenko AMN SSSR, Moskva.

GRINDEL', O.M.; BOLDYREVA, G.N.; BURASHNIKOV, Ye.N.; ANDREYEVSKIY, V.M.

Possibilities of using correlation analysis of the human
electroencephalogram. Zhur. vys. nerv. deyat. 14 no.5:745.
754 S. 0 '64. (MIRA 17:12)

1. Institut neyrokhirurgii im. N.N. Burdenko AMN SSSR i
Institut vysshey nervnoy deyatel'nosti i neyrofiziologii
AN SSSR.

GRINDEL', O.M.; KANDEL', E.I.; RAYEVA, S.N. (Moskva)

Changes in the electrical activity of the brain of patients with parkinsonism in connection with surgery of the basal ganglia of the brain. Vop. neirokhir. 26 no.6:23-28 N-D'62.
(MIRA 17:3)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni N.N. Burdenko AMN SSSR i Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR.

GRINDEL', O.M.; POEGORNAYA, A.Ya. (Moskva)

Characteristics of electroencephalography in tumor lesions of
subcortical ganglia. Vop. neirokhir. 27 no.5:34-39, 3-4 '63.

(MIRA 12-63)

1. Nauchno-issledovatel'skiy ordena Tрудovogo Krasnogo Znameni
Institut neyrokhirurgii imeni N.N. Burdenko (dir. - prof. R.N.
Yerogov) AMN SSSR.

GRINDEL', O.M., kand.med.nauk; SHLYKOV, A.A., prof.; SHCHERBAKOVA, Ye.Ye.
(Moskva)

Significance of electroencephalography in the topical diagnosis
of intracranial hematoma in the acute period of cerebrocranial
trauma. Vop. neirokhir. 26 no.6:1-6 N-D'2 (MIRA 17:3)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni N.N.Burdenko AMN SSSR.

GRINDEL', O.M., kand.biolog.nauk; FALLER, T.O., kand.med.nauk

Characterization of the changes in the electroencephalogram in
craniopharyngiomas. Probl.sovr.nauk. med. i biol. (Moscow)
(PITUITARY BODY---TUMORS) (ELECTROENCEPHALOGRAPHY)

GRINDEL', O.M.; SPIRIN, B.G.

Reflection in the electroencephalogram of the inhibitory effect
of the second signal system on the final motor effect. Zhur. vys.
nerv. deiat. 10 no.2:180-188 Mr-Apr '60. (MIRA 14:5)

1. Burdenko Institute of Neurosurgery, U.S.S.R. Academy of Medical
Sciences, Moscow.
(CONDITIONED RESPONSE) (ELECTROENCEPHALOGRAPHY)

BOLDYREVA, G.N.; GRINDEL', O.M.

Investigating the electrical activity of different divisions of the
brain in frogs. Fiziol.zhur. 45 no.9:1037-1044 S '59. (MIRA 13:1)

1. Institut neyrokhirurgii im. N.N. Burdenko, Moskva.
(BRAIN physiol)

GRINDEL', O.M.; PODGORNIAYA, A.Ya. (Moskva)

Electroencephalographic changes in nonsevere and moderately severe cerebrocranial closed injuries. Vop.neirokhir. 23 no.4:17-22 J1-Ag '59. (MIRA 12:10)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad.N.N.Burdenko AMN SSSR.

(BRAIN, wds. & inj.

cerebrocranial non-severe & moderately-severe closed inj. EEG (Rus))

(ELECTROENCEPHALOGRAPHY, in var. dis.

cerebrocranial non-severe & moderately-severe closed inj. (Rus))

GRINDEL', O.M.; FILIPPICHEVA, N.A.

Reduction in excitatory mobility in the motor analyzer in patients
with focal pathological processes in the frontal lobe. Zhur.vys.nerv.
diat. 9 no.4:545-554 J1-Ag '59. (MIRA 12:12)

1. Laboratoriya klinicheskoy neyrofiziologii Instituta neyrokhirurgii
im. N.N. Burdenko AMN SSSR.
(REFLEX CONDITIONED)
(FRONTAL LOBE dis.)

GRINDEL', O.M., FILIPPICHEVA, N.A.

Some changes in conditioned motor reactions in cases of pathological foci in the frontal lobe. [with summary in English, p.63]. Vopr. neirokhir. 22 no.4:27-32 J1-Ag '58 (MIRA 11:9)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.

(REFLEX CONDITIONED,

motor reactions in tumors of frontal lobe (Rus))

(BRAIN NEOPLASMS, manifest.

conditioned motor reactions in tumors of frontal lobe (Rus))

GRINDEL', O.M., SPIRIN, G.B.

Change in the lability of basic cortical processes following mild
closed cerebrocranial trauma [with summary in English]. Zhur.vys.
nerv.deist. 8 no.4:482-490 J1-Ag '58 (MIRA 11:9)

1. Nauchno-issledovatel'skiy institut neyrokhirurgii im. N.N. Burdenko
AMN SSSR.

(BRAIN, wds & inj.

eff. of closed non-severe inj. on cortical lability (Rus))

USSR / Human and Animal Physiology (Normal and Pathological).
Neuromuscular Physiology.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60663

of this potential was noted in that stage of P, when the AC of the running waves was completely blocked in the focus. During that period with optimal strength of excitation, the SNP could spread through the nerve in the form of monophasic potential at the rate of 9 - 10 m./sec. With an increase in the strength of stimulation, it was blocked in the focus proper. In the process of the re-establishment of the function of conduction in the changed segment of the nerve, the SNP decreased parallel with the increase in amplitude of the running wave. -- F. I. Mamladze

Card 3/3

USSR / Human and Animal Physiology (Normal and Pathological).
Neuromuscular Physiology.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 6083

of P, there were changes in the form of potential behind the P segment. 26 minutes from the beginning of P development at the lowest limit of the P focus before the AC there appeared a slow negative potential (SNP), which reached 150/1. The AC decreased greatly in amplitude. In the distal segments of the nerve a monophasic potential was recorded. An increase in SNP with an increase in P was observed simultaneously with decrease in AC amplitude, and its reduced rate of propagation. Such a correlation of the excitability waves and of the stationary focal excitation indicates that the amplitude decrease in AC is not due to its extinction in the process of overcoming the resistance of the focus, but is a result of an active reinforcement process of the stationary excitation; a particularly noticeable increase in amplitude

Card 2/3

USSR / Human and Animal Physiology (Normal and Pathological).
Neuromuscular Physiology.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1956, No. 60663

Author : Grindel', O. M.; Rusinov, V. S.

Inst : ~~Not given~~

Title : The Slow Negative Potential Outside the Parabolic
Focus in the Nerve

Orig Pub : Fiziol. zh. SSSR, 1957, 43, No 7, 673-680

Abstract : Paralysis (P) was produced by an isotonic solution
(0.79%) in the segments of a frog nerve 10 - 20 mm. in
length. The lead-off electrodes were placed on the nerve
in several distances from the P focus; the lead-off was
bipolar. The stimulation was done by an induction coil.
The electrodes were placed in the proximal segment of the
nerve. The action current (AC) of a normal nerve had a
diphasic form. Within 5 - 10 minutes after the development

Card 1/3

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71138

rhythm appeared also under the influence of proprioceptive impulses, arising in hand movements, which is considered by the authors as an increase in the skin tonus under the influence of the afferent stimuli. The increase of the functional burden deepened the inhibitory process which expressed itself in an increase of the appearance of Δ waves. The "EMG" investigations showed foci of depressed irritation, arising and gradually increasing in the process of the development of the conditioned motor reactions, and expressing itself mainly in the pathologically prolonged impulsation. In the course of treatment, the clinical symptoms usually disappeared earlier than the change in the character of the disturbances in electrical activity and appearances of depression in the motor analyzer. Physiological investigations with burdens in this case exposed clinically hidden pathological states of the brain.

Card 2/2

- 96 -

Grindel', O.M.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71138

Author : Grindel', O.M., Spirin, B.G.

Title : Some Peculiarities of the Dynamics of Cortical Disturbances After a Light Closed Skull Trauma.

Orig Pub : Vopr. neyrokhirurgii, 1957, No 1, 22-25

Abstract : In the majority of patients we observed a weakness of differentiation inhibition and a lowering of basic cortical processes (verbal-motor method). EEG a rest was either normal or its changes were limited to a certain irregularity of the alpha-rhythm and by the presence of separate diffused delta-waves and epileptoid impulses. The depression of alpha-rhythm towards light was weakened or was entirely absent. In some patients during the first days after trauma, light stimuli produced a paradoxical increase in alpha-rhythm (particularly in parietal regions) or its appearance, after previous absence. Alpha-

Card 1/2

- 95 -

GRINDEL', O. M.

GRINDEL', O. M. "Changes in the currents of Activity of a Nerve and Muscles in the Development of Parabiosis in a Nerve." Acad Sci USSR. Moscow, 1956. (Dissertation for the Degree of Candidate of Biological Science)

So: Knizhaya Letopis', No. 17, 1956.

GRINDEL', O. M.

23953.

DEYSTVIYE POSTOYANNOGO TOKA NA BEGUSHCHUYU VOLNU V AL'TERIROVANNOM NERVE
(DOKLAD I PRENIYA). V SB: GAGRSKIYA BESEDY (PO EKSPERIM. BIOLOGII). T. I.
TBILISI, 1949, c. 287-300.--BIBLIOGR: 295-96

SO: LETOPIS' NO. 31, 1949

GRINDEL', N.M.; ZYRIN, N.G.

Method for determining the organophosphorus compounds and their
dynamics in the plowing horizon of slightly cultivated turf-
Podzolic soils. Pochvovedenie no. 12:17-27 D '65.
MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
Submitted July 31, 1964.

ZYRIN, N.G.; GRINDEL', N.M.

Seasonal dynamics of the oxidation-reduction potential and iron soluble in acids (Fe^{2+} and Fe^{3+}) in turf-Podzolic soils. Nauch. dokl.vys.shkoly; biol.nauki no.2:175-181 '63. (MIRA 16:4)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(OXIDATION-REDUCTION REACTION) (SOILS---IRON CONTENT) (PODZOL)

ZYRIN, N.G.; GRINDEL, N.M.

Seasonal dynamics of active acidity in low-fertility turf-
Podzolic soils. Nauch. dokl. vys. shkoly; biol. nauki no.4:
203-207 '61. (MIRA 14:11)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo
universiteta im. M.V. Lomonosova.
(PODZOL) (SOIL ACIDITY)

GRINDEI, I.

Tension distribution around a certain number of circular holes in a
semiplane elastic medium. Studii mat Iasi 12 no.1:171-177 '61.

CHENDEL, I.

on corresponding dynamic systems. n. 1960.

STUDII SI CONFERTARI STIENTIFICI. MATEMATICA. Iasi. Rumania. Vol. 9,
no. 2, 1958.

Monthly List of East European Accessions (EAL) LC, Vol. 9, no. 1,
January 1960.

Uncl.

K

RUMANIA/Optics - Optical Technology

Abs Jour : Ref Zhur Fizika, No 9, 1959, 212/9

Author : Vadokschi, V., Grindei, T.

Inst : Iasi Affiliate of the Romanian Academy of Sciences, Iasi,
Romania

Title : Determination of the Curvature of Spherical Bent Optical
Surfaces

Orig Pub : Studii si cercetari stiint. Acad. RPR, Fil. Iasi. Fiz,
si stiinte tehn., 1957, 8, No 2, 149-153

Abstract : The method proposed consists of measuring, with the aid
of a microscope having a micrometric moving tube, the
distances between certain points of the investigated
surface with vertical axis and the mid-point of a calibra-
ted thread, located on one of the surfaces, stretched
over the surface and making contact with the edges of the

Card 1/2

- 115 -

SOURCE (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: Regional Veterinary Laboratory (Laboratorul Veterinar Regional), Sibiu, Brasov Regiune.

Source: Bucharest, Probleme Zootehnice si Veterinare, Vol XI, No 10, Oct 1961, pp 52-57.

Data: "Microbiological Diagnosis of Abortion with Virus in Sheep."

Authors:

VO LINTIR, V., -Dr.-

GRINDEANU, H., -Veterinarian.-

GRINDEI, I.

Thermal stresses in an isotropic, homogeneous, elliptic
cylinder equipped with a finite number of elliptic holes.
Studii mat Iasi 14 no. 2:371-375 '63.

GRINDEI, I.

The bending of an orthotropic console with connected multiple transversal section. Studii mat Iasi 13 no.2:383-388 '62.

GRINDEI, I.

Tension calculation in a semiplane, elastic, heavy,
and homogeneous medium, provided with circular holes.
Studii mat Iasi 13 no.1:189-194 '62.

topological space X satisfies condition S'_α if and only if every subset M of X contains a dense subset of cardinal number $\leq \alpha$. 2. If X is a locally compact space satisfying both conditions S_α and S'_α , then every monotone transfinite sequence $\{B_\alpha\}_{\alpha < \omega_1}$ of sets B_α which are simultaneously F_σ and G_δ is stationary. 3. The Cartesian product of an $[a, b]$ -compact space and a (b_1) -compact space is $[a, b]$ -compact. (Here a need not be regular.) 4. The Cartesian product of a space satisfying condition S_α (S'_α) and a space having an open basis of cardinal number $\leq \alpha$ again satisfies condition S_α (S'_α). 5. Let Q be the real numbers, topologized so that a generic neighborhood of $x \in Q$ is the set $\{y \in Q : x \leq y < x + \delta\}$, for all $\delta > 0$. Then Q is hereditarily $[N_1, \infty)$ -compact, satisfies conditions S_{N_1} and S'_{N_1} , and has the property that $Q \times Q$ is not $[N_1, \infty)$ -compact and does not satisfy either condition S_{N_1} or S'_{N_1} . The equivalence of conditions S_{N_1} and S'_{N_1} is considered. It is shown that these two conditions are equivalent for ordered topological spaces if and only if the Suslin problem has an affirmative solution; and thus the question is both left unanswered and regarded as very difficult.

H. Hodel (Seattle, Wash.).

Grindel, Ion

Grindel, Ion. Géométrie du groupe des affinités qui laisse invariante la forme différentielle extérieure canonique; II. Théorie des hypersurfaces. Acad. Repub. Pop. Roum. Fil. Nat. Stud. Cerc. Sti. Ser. I, 5, no. 3-4, 85-97 (1954). (Romanian. Russian and French summaries)

1-7/W

A hypersurface V_1 is given in the form

$$x_1 = f(x_1, x_2, x_3) = \varphi_1 + \varphi_2 + \dots + \frac{1}{n!} \varphi_n + \dots,$$

$$\varphi_1 = A_{10}x_1, \quad \varphi_2 = A_{11}x_1 + A_{12}x_2 + A_{13}x_3, \dots$$

This V_1 is supposed to leave invariant the exterior differential form $[dx_1 dx_2] + [dx_1 dx_3]$. The equation of the V_1 can then be cast into the form

$$x_1 = \frac{1}{2}(x_2^2 + 2mx_1x_2)$$

$$+ \frac{1}{3!}(x_1^3 + \alpha x_2^3 + \beta x_3^3 + 3\gamma x_1^2x_2 + 3\delta x_1^2x_3 + 3\epsilon x_1^2x_3 + 3\mu x_1x_2^2 + 3\nu x_1x_3^2 + 3\rho x_2x_3^2) + \frac{1}{4!}\varphi_4 + \dots,$$

where $m, \alpha, \beta, \dots, \rho$ are fundamental invariants. The complete set of these invariants with the integrability relations is derived, after which it is found that the hypersurface given by

(over)

GRINDEANU, Ioan

The material transportation car. Constr. Buc 16 no.737:3
22 F '64.

1. Responsabil cu transporturile la santierul 2 din grupul
nr.1. Trustul Regional de Constructii de Locuinte, Cluj.

PUSCARAU-SOROCEANU, Ev.; GRINEANU, A.; SANDULEAC, I.; POPOVICI, M.

Aerophotograms applied to the study and mapping of natural pastures on the hills and hillcoks in the southeastern part of Rumania. Natura Biologie 13 no.6:1-8 M-D '61.

ROMANIA

OLIVIER, V., Dr. and GRINDEANU, M. (Laboratory of the Veterinary Laboratory (Laboratorul Veterinar), Sibiu)

"Identifying a Focus of Ornithosis in Goslings."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 7, Jul 63, pp 82-84.

Abstract [Authors' English summary modified]: A focus of ornithosis was diagnosed in goslings through isolation of the germ on mouse lungs after 2 blind passages. The disease was associated with paratyphosis. Mortality of the afflicted gosling stock was 40 percent.

Includes 2 Rumanian references.

GRINDEANU

RUMANIA/Diseases of Farm Animals. Diseases of Unknown R-3
Etiology.

Abs Jour : Ref Zhar-Biol., No 20, 1958, 92759

Author : Volintir, V., Dumitrescu, A., Retter, I.,
Prejbeanu, Gh., Grindeanu, N., Urdes, E.

Inst : -
Title : A Study of Infectious Atrophic Rhinitis in
Swine.

Orig Pub : Probl. zootehn. si veterin., 1957, No 9,
29-36

Abstract : Antibodies specific to *Pseudomonas procyanaea*
were present in 50 percent of the examined
serums from the diseased swine. According to
the authors' data, both a filterable agent
and *Ps. procyanaea* take part in the etiology
of this disease. -- From the authors' sum-
mary.

Card : 1/1

Country : Rumania F
 Category : Microbiology, Microbes Pathogenic For Man and Animals.
 Listerellosis.
 Ann. Jour. Microbiol. 23, 1958, p 10-300
 Author : Volintir, V., Ponescu, M., Projboanu, Gh., Grindeanu, G.
 Institut. : --
 Title : Listerellosis Abortive Among Sheep
 Orig. Pub. : Probl. zootehn. si veterinar., 1957, No 7, 29-41
 Abstract : Three outbreaks of listerellosis are described in sheep which occurred as acute or subacute infections and also were of the abortion type. For bacteriological diagnosis cultures should be made from various parts of the brain, and for the determination of the mobility of the listerellae they should be grown at room, not thermostat, temperature.

Card: 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

KABA, Emeric, ing.; LIVEANU, Nicolaie, ing.; GRINKELAND, Alexandru, ing.
GHERGHEL, Cornel, ing.; MARINUT, Miron;

Improving the determination of coal mixture for coking.
Metalurgia Rum 15 no.5:345-347 My '63.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

GRINDEA, M., prof. ing.

Recent works on the theory and measurement of color. Ind text
Rum 16 no.1:45 Ja '65.

GRINDEA, M., prof. ing.; IFRIM, S., ing.

Wool solubilizing reactives. Ind text Rum 15 no.12:671-672
D '64.

1. Polytechnic Institute, Iasi.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

GRINDEA, M., prof. ing.; HANGANU, Ana, ing.

Dyeing semiwool woven materials. Inv. no. 14, no. 93/19547 S '63.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

GRINDEA, H., prof. ing.; VALU, A., lector ing.

For the young technicians. Ind text Rom. pp. 31 157-159
Mr '64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

GRINDEA, M., prof. ing.; ZEIDMAN, Ritta

"Reactive dyestuffs and their use in the textile industry"
by A. A. Harharov, I. Ia. Kalantarov. Reviewed by M. Grindea,
Rotta Zeidman. Ind text Rum 13 no.12:527-528 D '62.

GRINDEA, M., prof. ing.; FORST, T., ing.

Raw wool washing. Ind text Rum 13 no.9:372-377 S '62.

1. Institutul politehnic, Iasi.

GRINDEA, M., prof. ing.; VALU, F., lector; ZEIDMAN, R., sef lucrari;
~~FURST~~, T., asistent; IFRIM, S., asistent

Some aspects of finishing woolen materials. Ind text Rum 12
no.1:16-21 Ja '61.

1. Institutul Politehnic, Iasi, Catedra de tehnologie chimica
textila.

RUMANIA / Chemical Technology, Chemical Products and Their
Application. Dying and Chemical Treatment of Textile
Materials.

H-34

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17876

effects of the type of soap used (stearates, palmitates,
oleates of Na and K), of temperature and pH of the
washing solution. -- G. Markus

Card 2/2

H - 151

RUMANIA / Chemical Technology, Chemical Products and Their
Application. Dying and Chemical Treatment of Textile
Materials.

H-34

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17876

Author : Grindea, M.

Inst : Not given

Title : Certain Theoretical and Practical Problems of Wool
Washing

Orig Pub : Ind. textila, 1958, 9, No 1, 22-27

Abstract : Review of physico-chemical phenomena and of factors
involved in the washing of wool; surface tension of the
washing solution, tension at the interface of the
washing solution-wool, wetting characteristics, ad-
sorption, electrostatic charge, colloid-protective action
of the washing solution, foaming characteristics and
detergency of the washing solution. Analyzed are the

Card 1/2

COUNTRY : RUMANIA
 CATEGORY : Chemical Technology. Chemical Products and Their
 Applications. Dyeing and Chemical Treatment of*
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 63138
 AUTHOR : Grindea, M.; Stoicescu-Grivetz, L.; Ibrim, S.
 INSTITUTE : Inst. politehn. Iasi
 TITLE : Investigation of the Wool Chrome-Treating
 Process
 ORIG. PUB. : Bulg. Inst. politehn. Iasi, 1958. 4, No 1-2,
 247-252
 ABSTRACT : Experiments involving the treatment of wool with
 $K_2Cr_2O_7$ solutions with the subsequent investi-
 gation of chrome treated samples (solubilities in
 bases and acids, concentration of available nitro-
 gen, dynamometrical tests) established that the
 most promising results may be attained with the
 use of 1.5% $K_2Cr_2O_7$ basis the weight of wool.
 -- A. Matetskiy

*Textile Materials.

Card: 1/1

H - 158

COUNTRY :
CATEGORY :

H

ABST. JOUR. : RUMF. m., No 17, 1959, No. 63137

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT
Con'd

: which appear as colored rings with undyed central portions. In acid media the above stated bondages are contracted which is revealed in a noticeable hastening of the diffusion. A subsequent treatment in neutral media restores the initial bondages, that is being proved by the observed changes in the fiber length when treated with phenol. The results of this investigation indicates ways of improving dye stability with regard to wet treatments. -- A. Matetskiy.

Card: 2/2

COUNTRY : RUMANIA H
 CATEGORY : Chemical Technology. Chemical Products and Their
 Applications. Dyeing and Chemical Treatment of*
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 63137
 AUTHOR : Grindea, M.; Coman, L.; Bucurenciu, I.; Zeidman, R;**
 INSTITUTE : Inst. politehn. Iasi
 TITLE : Investigation of the Wool Dyeing Mechanism While
 Employing Acid Dyes that Produce Uneven Dyeing.
 ORIG. PUB. : Bulg. Inst. politehn. Iasi, 1957, 3, No 3-4, 131-
 -134

ABSTRACT : Acid dyes (D) attach themselves to wool by the
 electrovalent bonds in accordance with the Poray-
 -Koshits positions, as well as in the case of un-
 even dyeing, in accordance with the Van der Waals
 forces. When dyeing is conducted in neutral me-
 dia, these additional forces hinder the diffusion
 of D into the interior of fibers and at an exten-
 ded processing, lead to the distribution of D on
 the external zones of fibers only, that may be
 detected on the cross-sectional profiles of fibers

*Textile Materials.

**Forst, T.

Card: 1/2

COUNTRY : Russia
 CATEGORY :
 REF. JOUR. : *ASHKANI*, no. 21 1957, no. 77063
 AUTHOR : Medvedev, M. G., Seiseman, R., and Forst, T.
 TITLE : New Advances in the Theory of the Acid Dyeing of Wool
 ORIG. PUB. : *Il-a Conf Tehn-Stiint a Ind Usoare Textile (Bucuresti)*, ASIT, 1957, 273-284
 SUMMARY : A review paper (mechanism of the adsorption of acid dyes by wool; chemical, hydrogen, and van der Waals bonding and the formation of ionic bonds during the dyeing of wool in acid and in neutral medium; fastness of the colors obtained; supershrinkage of dyed wool). The bibliography lists 12 titles.
 G. Medvedev

END: 1/1

GRINDEA, M.

~~A uniform interpretation of the dyeing of textile fibers.~~
M. Grindea (Polytech. Inst., Iasi, Rumania). *Industria* *Matte* 1

textila (Bucharest) 7, 125-31(1956)(German summary).—A
discussion of the theories underlying the dyeing process.
—Gary Gerard—

ILLEGIBLE

STANLEY, J., GOLDBERG, J.

"Some things I did not mention about the conduct of MURKIN, i.e., 474, (HUNGARIAN, Vol. 3, No. 4, 1951, page 1, (b)(7)(C))

See "Building Line of Duty Around Town Hall," (LH), I, p. 1, 7-8, April 1961, 1962.

GRINDEA, D., candidat in stiinta economice

Correlation between the increase of accumulation and increase
of production. Probleme econ 18 no.5:17-29 My '65.

GRINDEA, D., candidat in stiinta economice

Considerations on the contents and sphere of extent of productive
labor in socialism. Probleme econ 17 no.2:15-24 F 64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900043-6

GRINDEA, D., candidat in stiinte economice

Considerations on the correlation between the increase rate of
total social product and the national income. Probleme econ 16
no.3:17-31 Mr '63.

GRINDERGOS, A.

GENERAL

PERIODICALS: VESTIS, no. 1, 1958

GRINDERGOS, A. Material on Latvian Volkshela Samu. 1. (To be cont'd) p. 75

Monthly List of East European Accessions (EEAL) 10, Vol. 7, no. 2,
February 1958, Moscow.